

### Abstract of the Disclosure

A dual wavelength focal plane has a first array of infrared sensing pixel elements and a second array of visible light pixel elements adapted to be selective to colors encountered while driving an automobile. The second array is selective to the colors red, blue and green, so being selective to traffic control signals, including brake lights of other automobiles. The arrays are vertically stacked on a monolithic silicon substrate. The arrays are electrically coupled to a processor and display to integrate the infrared and color pixel elements into a view for a driver of the automobile.

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